

From owner-qrp-1@netcom.com Wed Oct 26 06:28:16 1994
Date: Tue, 25 Oct 1994 09:29:35 +0800
From: Raymond.Anderson@EBay.Sun.COM (Ray Anderson)
Message-Id: <9410251629.AA12237@uranium.EBay.Sun.COM>
Subject: Re: 500uH chokes

>
> Colinearly arranged inductors is better than bundling them together, but
> even less mutual coupling occurs if they are arranged at right angles.
> Takes up more room....
> Kent Torell torell@sicom.com
>

You are right about right angle orientation being better than
colinear. I thought about that about a half second after I pressed
the "deliver" button on my previous message.

72's de Ray WB6TPU

From owner-qrp-1@netcom.com Wed Oct 26 01:52:46 1994
From: Edward=F=Burke%Eng%GPID@banyan.BV.TEK.COM
Message-Id: <9410260039.AA00437@tekgen.bv.tek.com>
Date: Tue, 25 Oct 94 17:28:46 PDT
Subject: Beacon in 40 Meter Band

Hi people:

I have wondered about the source of a propagation beacon in the 40 meter band,
at approximately 7.038 Mhz which sends the letter "F" continuously. When
conditions in the band are relatively good, I can hear it where I live in
Oregon, but I have no idea where it is located. I have seen some pretty
complete listings of propagation beacons for 20 M and above, but have never been
able to locate a listing for 40 M.

Anybody out there have any info on that? If it is located in Europe, maybe some
of you on the East coast hear it all the time. It is fairly rare in Oregon, at
least with my antenna and the lousy sunspot cycle.

Thanks in advance,

72, Ed Burke , KI7KW

From owner-qrp-1@netcom.com Wed Oct 26 06:02:12 1994
Date: Tue, 25 Oct 1994 14:27:14 +0800
From: Raymond.Anderson@EBay.Sun.COM (Ray Anderson)
Message-Id: <9410252127.AA12760@uranium.EBay.Sun.COM>
Subject: Block Diagram symbols available for ftp

>
> These were done with FrameBuilder 4.0. If there is enough noise, I can make
> available the file I have of "homebrew" symbols (mixers, filter, etc.) used
> in these diagrams (as Maker Interchange Format, or MIF) to Ray for ftp for
> those that can use them.
>
> 72, Todd
>
> -----
> Todd Nichols Bell Northern Research, Ottawa, Ontario (613) 765-3560
> tnichols@bnr.ca
> KB0HQ/VE3 BNR didn't say it; I did
>

Thanks Todd. The file (radioblock.mif) is now on ftp.netcom.com
in /pub/rander/qrp.

If you have access to FrameMaker (a fancy high end desktop publishing
program) you may find these symbols handy for creating block diagrams
of radios. If you don't have FrameMaker these symbols won't do you much
good.

I'll be putting a similar set of symbols I created for the ORCAD schematic
capture program on the site in a day or so.

Ray WB6TPU

From owner-qrp-l@netcom.com Wed Oct 26 13:57:21 1994
Date: Wed, 26 Oct 1994 10:04:46 -0400 (EDT)
From: Craig LaBarge <cal@locke.ccil.org>
Subject: Color Burst Crystals
Message-Id: <Pine.3.89.9410261035.E111141-0100000@locke.ccil.org>

Can anyone suggest a source for 3579.545 KHz crystals? I had one
on those critters around here somewhere, but I can't find it.

Thanks & 73,

Craig WB3GCK
74740.3166@compuserve.com

From owner-qrp-l@netcom.com Wed Oct 26 06:28:39 1994
Date: Tue, 25 Oct 1994 09:26:38 +0800
From: Raymond.Anderson@EBay.Sun.COM (Ray Anderson)
Message-Id: <9410251626.AA12234@uranium.EBay.Sun.COM>
Subject: Re: GLP (Glip) Info

>
> The Glip you are looking for is made by GC Electronics part number 10-9002.
> It is an alkyd based insulating varnish used to set variable electrical parts.
> It has some other creative uses too. It sells for about \$5 for 2 fluid oz.
> You might find some at your local electronics parts or tv repair shop.
> 72 de Cameron, KT3A.
>

The generic name for this stuff is "glyptal varnish" in case you find something other than the GC stuff.

72's de WB6TPU
Ray

From owner-qrp-l@netcom.com Wed Oct 26 05:57:10 1994
Date: Tue, 25 Oct 1994 17:49:42 -0230 (NDT)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: hambrew Magazine Rig
Message-Id: <Pine.3.87.9410251742.D4649-01000000@random.ucs.mun.ca>

I'm getting my winter project work lined up and I would like to know if anyone knows how to get in contact with Roy Gregson W6EMT of Bellevue Wash. In the Summer 94 issue of hambrew Roy has a great article on an 80 meter VXO QRP transmitter that has all the right stuff for the QRP-NE 79er contest. What I like to know if anyone knows if printed circuit boards are available for this transmitter from the NW QRP club, Far Circuits or whoever? This looks like a good winter project to use on those weeknights when television is boring and you get to use a real television part - the 3579.545 colourburst xtal from the set (don't steal it from your tv - buy one).

By the way I approached Jim W1FMR to see if the QRP-NE club will expand the time for all North American time zones - so it's 9-10 operating time for all during the 4 Thursdays in February. Get all you QRP couch potatoes across the continent to participate and make good use of TV (parts that is..)

72 Bob V01DRB/WA6ERB

From owner-qrp-l@netcom.com Wed Oct 26 16:14:25 1994
Date: Wed, 26 Oct 94 11:03:57 MDT
From: miker@cc.com (Mike Robinson)
Message-Id: <9410261703.AA24873@cc.com >
Subject: Hamstick

Has anyone tried this?

Figure 1. Fiber-optic cable cross-section

Essentially an end loaded dipole.

```
=====
7.3 de Michael kg0ot      ( formerly kd6wdd, soon to be aa0s_ )
miker@cc.com              ---=< I'm the last 'S' in KISS >=---
=====
```

```
>
>
> Has anyone tried this?
```

```
> Two Hamsticks mounted end to end, isolated from eachother:
>
> -----<\\\\\\\\\\\ \ \ \ \\||| [ ] ||| / / / //////////////>-----
>                                     | |
>                                center->| |<-braid
>                                     | |
```

```

>
>
>
>
>
>
> coax-> |
>
>
> Wire the left one from the center tap and the right
> one from the braid on a coax.
>
> Essentially an end loaded dipole.

```

Yep. It works rather well, actually, although you have to fiddle with the tuning extensions to get it to work right. It is fairly narrow banded.

```

>
> If the Hamstick performs reasonably well mounted
> to a vehicle. Wouldn't this design make a very
> compact beam?
>
> =====
> 7.3 de Michael kg0ot      ( formerly kd6wdd, soon to be aa0s_ )
> miker@cc.com             --==<< I'm the last 'S' in KISS >>==--
> =====
>

```

Should make an excellent phased array something like a lazy H, although one should be able to tune them like a short yagi.

Who has a half dozen sticks for some weekend playing!

Bob
NA4G

From owner-qrp-l@netcom.com Wed Oct 26 07:56:19 1994
From: CamQRP@aol.com
Date: Wed, 26 Oct 1994 04:53:17 -0400
Message-Id: <9410260125082800635@aol.com>
Subject: Re: Help in identifying

Hello Jim -

The box you are asking about is probably the Ten-Tec Model 208-A. It was an audio filter and Notch filter in one box, designed as an accessory for the Argo 515. I don't have one, but I do have the Ten-Tec info sheet and

schematic, which I'll send to you if you want.

72, Cam N6GA
CamQRP@aol.com

From owner-qrp-l@netcom.com Wed Oct 26 14:14:00 1994
From: JEVERHART@cayman.vf.ge.com
Date: Wed, 26 Oct 1994 10:08:38 -0400 (EDT)
Message-Id: <941026100838.21205532@cayman.vf.ge.com>
Subject: Re: Isotron and QRP

John:

Glowing reviews in ham magazines aside, I would not recommend the use of the 40 meter Isotron with QRP.

I struggled with this combination for about a year. I had an Isotron 40 in my attic and used an HW-8. I did make contacts, but it was difficult. The antenna was good for reception, but poor for transmitting. The best I was able to do was 339 reports out to 300 miles or so. A short loaded dipole in the same attic was far superior.

You intentionally limit yourself with QRP. There's no good reason to further limit yourself with a poor antenna. On the other hand, for someone running a Yaecomwood at 100 watts, the Isotron antenna might put you in the same class as a QRP'er with an efficient sky wire.

72,

Joe E. N2CX

From owner-qrp-l@netcom.com Wed Oct 26 22:54:00 1994
Message-Id: <n1428918313.15329@wgs-2.bwi.bls.com>
Date: 26 Oct 1994 16:47:14 -0500
From: "evans ken" <evans.ken@bwi.bls.com>
Subject: MFJ 9030

I have an MFJ 9030 for sale if anyone is interested. You can reach me via land line at 404-564-3749. Asking \$100.00.

From owner-qrp-l@netcom.com Wed Oct 26 11:34:33 1994
From: p.zenker@jpberlin.cl.sub.de (Peter Zenker)
Message-Id: <5ZW81ZJ5sMB@dl2fi.jpberlin.cl.sub.de>
Subject: New on board:DL2FI, Activity Group QRP Berlin
Date: 25 Oct 1994 21:24:00 +0100

Hallo friends of QRP,

glad to have the possibility to chat with the QRP gang this way. Excuse some problems with the english language, it hope it is not to hard to understand hi.

I m 47 years old, lis since 31 years, qrp enthusiast since 15 years (member of G-QRP-Club #1053. Running mostly cw with some couple of homebrew equipment (half dozen direct conversions, HW8, HW9, NN1G_20, 9MHz IF TXVR, 455kHz iF TXVR, junk box type, ugly, modern lay out etc). I have a lot of fun in building the little ones, but are not good enough to build the great ones hi.

In the moment i m testing an QRP+ ordered by DL7ASD, an other member of our QRP- group.

thats for the moment.

72 from Berlin de Peter, DL2FI

CrossPoint v3.02

From owner-qrp-1@netcom.com Wed Oct 26 10:05:18 1994

Date: Wed, 26 Oct 1994 08:58:22 -0230 (NDT)

From: Robert Gobrick <bgobrick@random.ucsf.mun.ca>

Subject: Re: Pacificon de K5F0/6

Message-Id: <Pine.3.87.9410260822.C16461-0100000@random.ucsf.mun.ca>

Chuck - enjoyed your "travel log" on your adventures at Pacificon. If you are able to bring up the topic one more time without passing out can you (or someone can recap for the QRPp magazine) the "tricks" that the dentist used to getting nice looking toroid coils. I'd like to hear some suggestions since I am going ot have to get myself psyched up to wind all those Sierra coils...

Thanks Bob V01DRB/WA6ERB

From owner-qrp-1@netcom.com Wed Oct 26 04:37:52 1994

Date: Tue, 25 Oct 1994 23:53:32 -0400 (EDT)

From: DARE to keep the CIA off drugs <WHITE_HAE@CCSUA.CTSTATEU.EDU>

Message-Id: <941025235332.202be683@CCSUA.CTSTATEU.EDU>

Subject: Re: QRP & Hamstick

Roger that one, Clark. I use the Argo 509 SSB 2W in the car on 40 and 20 with the appropriate sticks. 40 is good anytime, and the Radio Shack DSP checks the heterodynes nicely as well as providing a nice mobile speaker. I can't use 20M mobile due to electrical noise, even though I run an independent gel cell in the car.

Peace & 72

Harry N1QVE

From owner-qrp-l@netcom.com Wed Oct 26 04:10:34 1994
From: JEVERHART@cayman.vf.ge.com
Date: Wed, 26 Oct 1994 0:23:02 -0400 (EDT)
Message-Id: <941026002302.212051b6@cayman.vf.ge.com>
Subject: Re: QRP and Hamstick

Cc of message to QRP-L group - I mis-spelled host machine name in CC field of original posting - dman, e-mail can be frustrating!

Bob,

You asked for info on using a Hamstick on 40 meters with QRP.
I'm not sure if you saw my posting to the group last week, but here is a repeat of some recent great success with the hamstick on 40 meters:

> Subject: Re: FALL ARCI CW QSO PARTY

> The QSO Party was a blast!

> Due to conflicting schedules, I only had a few snippets of time to
> participate. A couple of stints at home on 80, 40 and 20 were only so-so -
> very high electrical noise. The darned stuff seems to come up around contest
> time and disappear afterward. But I saved the best for last.

> On Sunday, I went to a local hamfest and took my MFJ 9040 along. Not expecting
> great results, I put a Hamstick vertical on the side mirror bracket of a
> pickup and fired it up. In the past, I've used the same vertical to check
> into the 40m SEN and NEN with mixed results. This time it was superb! In
> only a half hour of operation, I bagged 9 contacts from Ontario and New
> Hampshire to Ohio and Indiana. I worked everyone I heard! The darned 7 foot
> whip worked as well as my Butternut at home.

> It's great fun combining both a hamfest and a contest. And you should have
> seen the spectators. They were wondering what on earth I was doing. Do any of
> the hams at hamfests ever really operate any more? Or do they just yap on
> their 2 meter handhelds? I almost expected someone to ask me what that funny
> noise was (CW).

As I noted, I've had mixed results in the past. The difference this time was two-fold:

First, I made darned sure that the antenna was resonant where I wanted to operate. As with any efficient loaded antenna, the Hamstick has a limited bandwidth. The greater the efficiency, the higher the Q and narrower the bandwidth. I started off with an MFJ-249 SWR Analyzer, but found that once I was close, a simple QRP SWR meter was adequate. The antenna length was

adjusted for MINIMUM SWR. This was still over 2:1.

Next, according to The Lakeview, Inc instruction sheet, I added a parallel capacitor at the base of the antenna. As memory serves me, it was around 270 pf. For my diddling around, I soldered aligator clips onto the capacitor leads and clipped the cap across the coax at the antenna. I'd recommend a more permanent means of installing it. The capacitor value isn't terribly critical, but I would recommend using a good grade mica capacitor with a rating of 100 volts or so. Finally, the antenna needs to be re-adjusted for lowest VSWR. This is only a touch-up setting and you should be able now to get the SWR below 1.5:1

BTW, the reason this works is that the shortened antenna with a loading coil has a resonant impedance of less than 50 ohms. The capacitor acts as the shunt element of an L-section impedance matching section. The series inductance needed to complete the L-section network is provided by readjustment of the Hamstick length. Both the ARRL Handbook and Antenna Handbook have more complete descriptions.

While this is my first great success with the Hamstick on 40 meters, I've use them with mobile mounts for portable QRP'ing on both 20 and 30 meters. (I've not had to resort to the parallel capacitor to get good results with Hamsticks designed for those bands.) Picture me sitting in my car parked in a resort hotel parking lot at Disney World, hamming away. Folks stared and thought I was nuts, but any seasoned QRP'er isn't fazed by the stares of the unwashed multitude!

72 and Good Luck,

Joe E. N2CX

From owner-qrp-l@netcom.com Wed Oct 26 08:37:08 1994
Message-Id: <199410261121.EAA06489@netcom.netcom.com>
Date: Wed, 26 Oct 94 06:15:31 EDT
From: C=BAILEY%IS%211EIS@PAMDT.ANG.AF.MIL
Subject: re: QRP and Hamstick

Bob,

Since I am not permitted antennas, I have to be what Jim, KR1S calls "Low Profile". I install my antenna at night, under cover of darkness. I have had what I consider success with the Lakeview Hamstick on 40 meters. I use one on the metal roof of my mobile home (best ground plane I've ever had) and use a MFJ 941 tuner to increase the bandwidth. I have found the tuning charts that come with the antenna useless. *Don't* cut the whip until you have tried the full whip length. I followed the chart, and ended up

buying another whip because I used the chart to determine whip length. Am I the only one who has had trouble? Is it due to the extra capacitance of the ground plane? I do not use it mobile (yet).

72 de Cameron, KT3A

From owner-qrp-1@netcom.com Wed Oct 26 09:50:57 1994
Date: Wed, 26 Oct 1994 04:18:21 PDT
From: Dave_Mensing.wbst129@xerox.com
Subject: Re: QRP and Hamstick
Message-Id: <"26-Oct-94 7:18:21 EDT".*.Dave_Mensing.wbst129@Xerox.com>

Bob,

Sure you can! I have gone out to the car during my lunch hour to operate many times. It's very rare that I would come up empty in an hour of operation. My setup is as simple as the 40m hamstick and either my Spider or my NorCal40, a gelcel, and a pair of headphones.

73, Dave, N2PSH

From owner-qrp-1@netcom.com Wed Oct 26 12:36:30 1994
From: rdkeys@csemail (R. D. Keys)
Message-Id: <9410261342.AA102267@csemail.cropsci.ncsu.edu>
Subject: re: QRP and Hamstick
Date: Wed, 26 Oct 94 9:42:48 EDT

>

> Bob,

I don't think I am the right bob, but will make a comment or two, if you fellas don't mind.....

>

> Since I am not permitted antennas, I have to be what Jim, KR1S calls "Low
> Profile". I install my antenna at night, under cover of darkness.
> I have had what I consider success with the Lakeview Hamstick on 40 meters.
> I use one on the metal roof of my mobile home (best ground plane I've ever
> had) and use a MFJ 941 tuner to increase the bandwidth. I have found the
> tuning charts that come with the antenna useless. *Don't* cut the whip until
> you have tried the full whip length. I followed the chart, and ended up
> buying another whip because I used the chart to determine whip length. Am I
> the only one who has had trouble? Is it due to the extra capacitance of the
> ground plane? I do not use it mobile (yet).

>

> 72 de Cameron, KT3A

>

>

A generally great Idea! I would add the following thoughts.

1. Remembering the ol' diesel fleet boat days in the war movies, etc., those boats often had a rotatable 20 foot or so whip antenna that flattened back horizontally when submerged and rotated vertical when surfaced. Granted a good mobile whip on a tin-top as big as a house ``literally'' does work FB OM, if you could put up even as little as a 15 ft fishpole whip a' la the ol' wwII jeep mobile and field portable whips, you should get out considerably better on 40 and below in QRP or.... egads.... QRO mode. One approach would be to mount a swivellable vertical mount on the roofline and the swivel up any good ham trap vertical that was relatively small for clandestine use, and the swivel it horizontally for ``safekeeping and storage under enemy fire.....''. Any o' you ol' diesel fleet boat boys wanna comment further? Even the ubiquitous navy TCS set ran a 12 foot-15 foot whip on 160-30 meters. It worked quite well (and was used on such things as Motor Torpedo boats, ambulances, and other small field/mobile installations).
2. Some wwII and later mobile whips had standard 3/8 inch thread mounts, especially those of the 'nam era or the later Korean era. These are anywhere from 8-21 feet long, depending upon how you happen to set them up (for mobile or portable operation). If you had a good base, you should easily be able to get 15 feet or so vertically, and that would also radiate much better than the 5 foot mobile whip, especially on QRP mode. N4IQA and I run various shades of mobile fishpoles that are 6-25 feet long, depending upon band and whether mobile or portable. The longer the vertical radiating element, the better. The collapsible fishpole style whips should be readily available from places like Fair Radio or easily found at hamfests (where most of mine have surfaced). They last forever and collapse down to about 3 foot elements.
3. You might try AB4EL's Whippus giganticus var biggus mobilus whippus. He runs 160 mobile with a 20 foot vertical mobile whip (usually not going under bridges, though....(:+{}.....), and gets out much better than with shortie whips. That thing on a trailer top, with a suitable mount would get you out on all bands, and be dismountable as well (he stores his collapsed in the car in the daytime, and yes it fits!). He may be reading this column but you could reach him for more details at AB4EL@Cybernetics.NET. He is a FB experimenter, and can give you some good first-hand pointers.

I would opt for at least a 15 foot whip of some kind, or a folding trap vertical or monoband vertical. My luck has always been better at low powers with these sorts of things rather than mobile whips.

Mobile whips work, but just don't have quite the poop that I would like if I am running QRP, and don't want to be heard as QRPpppppppp!

Good luck fellas, and fer sure, keep the spark's and arc's buzzing and whirring in the late wee small hours..... (:+{}.....

73 DE NA4G
Bob

p.s. any further comments from the boatanchor boys?

```
*****
* 73 TU SU VA DE NA4G          ``Boat Anchor Bob'', an ol' CW fart. *
*****
* Morse has been in the family for over 100 years.                  *
* Morse radiotelegraphy (Spark/CW) has been in the family since 1914. *
*****
* May you have fair winds and following seas on your watch at the key. *
*****
```

From owner-qrp-1@netcom.com Wed Oct 26 15:29:28 1994
From: rehm@zso.dec.com
Message-Id: <9410261612.AA12391@slugbt.zso.dec.com>
Subject: Re: QRP and Hamstick
Date: Wed, 26 Oct 94 09:12:40 -0700

>
> Has anyone had any luck running 40 m. QRP into a Ham Stick or anyother
> kind of mobile antenna?

Who manufactures Ham Stick antennas? Cost? Who sells them?

Thanks,

/eric
KJ7AE

From owner-qrp-1@netcom.com Wed Oct 26 05:52:37 1994
Date: Tue, 25 Oct 1994 15:40:44 -0500
From: CCS_MAH@ADMIN.FANDM.EDU (Mark Hemlick Ph. D.)
Subject: QRP+
Message-Id: <01HIP500EYW2A909W3@ACAD.FANDM.EDU>

Greetings to all,

How much does a QRP+ cost?

Thanks.

73 Mark KA3LFG

From owner-qrp-1@netcom.com Wed Oct 26 15:30:54 1994
Message-Id: <199410261505.AA17573@orion.aoc.nrao.edu>
Date: Wed, 26 Oct 1994 09:05:45 -0600
From: Dave Finley <dfinley@aoc.nrao.edu>
Subject: Re: QRP+

Harvey, K5DDJ, reported on a number of problems with his QRP Plus from Index Labs, problems that led to his returning the unit. I wanted to respond to his post.

The short answer is that the biggest problems he reported were a result of software bugs that mostly have been fixed. I believe Harvey got a unit that does not reflect the current product being shipped. His serial number, he says, was about 174. I bought my QRP Plus back about March or April and its serial number is 138. I think the dealer Harvey saw at a hamfest probably bought that unit not too long after I bought mine. Using it only as a demo, the dealer may not have discovered the faults or not have gone to the trouble to get them fixed.

I sent my unit back to Index twice. I was pleased with the company's willingness to help and positive attitude. All the problems that I could not have lived with were fixed. Some remain, but overall, the rig does what I bought it for.

Let me now respond to a few of Harvey's points.

I have not found the receiver to be noisy, and have found its sensitivity to be quite adequate -- I compare it favorably with the sensitivity of my Icom IC-728.

Yes, you get a "ping" with a loud noise spike. I "got used to it," and don't find it annoying. When operating in remote locations, away from man-made noise, there is much less pinging. This, I suppose, is a matter of personal preference.

SSB, I have found, can be a tricky affair with this rig. The vast majority of my QRP operating (indeed of all my HF operating) is CW, so this doesn't particularly bother me. One of the problems is that the mic can put a spike on the microprocessor bus and reset the frequency. This is much less a problem now than it was with the earlier version of the controller's software. One must be careful

in adjusting the mic gain control to avoid distorted audio. The rig is picky about mics.

The earlier software also was the problem with the readout skipping a digit. With the earlier software, the frequency also would occasionally jump by 100 Hz. I could not have lived with this, but it was fixed with the rig's first trip back to Index. Since then, I have not encountered the problem.

I also encountered the problem of the lockup. I, too, had to recycle the power to get the rig to function again. That problem also was fixed with the first trip back to Index. Bruce Franklin of Index Labs said he traced this problem to a bad chip. After replacing it, he did a weekend-long "burn-in" test before shipping the rig back to me. The problem has not recurred.

To sum up, I find this an excellent CW QRP rig, which is exactly what I wanted. If I spent more time tracking down the mic problem, it probably would, in my opinion, work fine on SSB. To compare to the Argo 556 or the Scout, I would point out that with the QRP Plus, you get an all-band radio, with memories, built-in keyer, and the excellent audio filtering system for \$600, compared to about \$800 for the Argo with modules for all bands.

Now if Bruce would just re-do the keyer software to provide Type A (instead of just Type B) iambic keying ...

Dave, N1IRZ

From owner-qrp-l@netcom.com Wed Oct 26 06:44:15 1994
Date: Tue, 25 Oct 1994 11:43:00 -0400 (EDT)
From: prvalko <prvalko@vela.acs.oakland.edu>
Subject: Ten*Tec 6M Xvtr Kit Update
Message-Id: <Pine.3.89.9410251152.A18216-0100000@saturn.acs.oakland.edu>

Hi Gang!

Last night I completed the receive converter section of my T*Kit #1208.

I must say the instructions are quite good, at least the quality of Heathkit's and perhaps a tad better, in a quirky Ten*Tec kind of way. As you assemble the kit, I had three "check points" to give me a warm fuzzy that the project was working up to the check point.

The first test was to see if the 36 MHz LO was working, you can use an FM broadcast radio and pick up the third harmonic. I used my handi-dandy HP freq counter. Without even touching a thing, the unit measured 36.000088. Pretty close!

The second test was to see if the electronic TR switching was functioning. I was told to wrap a couple turns of wire around my HT's antenna and measure voltages at two test points. Worked fine.

Last night, with the receive converter working, I was instructed to inject a 50MHz signal and see if I could hear it. As I did not have an RF generator here at the time, T*Kit suggested using a QRP rig tuned to 14.15 and listen for the fifth harmonic while TXing into a dummy load. Well, as you know, I have LOTS of those... I fired up the 515 and it came through loud and clear. I am only slightly worried because the audio on ssb was very distorted. Plain carrier sounded great, feeding the 14 MHZ OUTPUT of the converter into my Corsair. I'm sure it was some function of the two rigs being on or near the same frequency.

So... so far so good. Now comes the 50 MHz TX section of the kit. I figure three more hours and it'll be done. Anyone have a used 6M beam available?

73 =paul= wb8zjl

From owner-qrp-1@netcom.com Thu Oct 27 01:06:02 1994
From: rossi@VFL.Paramax.COM
Message-Id: <9410270309.AA15690@gvlf9-a>
Date: Wed, 26 Oct 94 23:09:14 EDT
Subject: Worked the FOX

Almost missed it. Was out shopping and got home at 0240z and suddenly realized... Hey! the FOX is on - N6ULU

Turned the radio on and there he was at 7040 calling CQ with a very nice 579-589 signal. Came right back to me - first call at 0254z.. After hearing no trace of the first three FOXes, this one was too easy :-)

Pete Rossi - WA3NNA
rossi@vfl.paramax.com
Unisys Corporation - Government Systems Group
Valley Forge Engineering Center - Paoli, Pennsylvania